

transfer from the heating block to the cooling block, so that the temperature of the heating block can be regulated at a predetermined preset level while the temperature of the cooling block is maintained for a long time.

**IN THE CLAIMS:**

Please **AMEND** the claims as follows:

*P1*

1. (Amended) A sample temperature regulator comprising:  
a heating block having a receptacle formed therein as a sample container holder, said heating  
*A2* block attaching a temperature-controllable heater;  
a cooling block having a cooling mechanism; and  
a connecting plate positioned between and attaching the heating block with the cooling  
block;  
wherein the connecting plate is made of a material having a thermal conductivity lower than  
those of these two blocks.

2. (Amended) The sample temperature regulator according to claim 1, wherein  
the cooling block extends between and connects with a plurality of heating blocks.

3. (Amended) The sample temperature regulator according to claim 1 or 2,  
further comprising a refluxing block extending from said cooling block, and containing means for  
contacting an upper part of a sample container seated in said heating block.